crew of the ship called him 'Raja' and we adopted this name (*see* Plate IV, Figs. 1 & 2). He was the only one among the Onges who was fully armed with knives, bows and arrows. Among the contents of the canoes, we found complete fishing out-fits, bows and arrows, ropes and nautilous shells, for bailing out water. There was also a kind of bamboo float about 1½ ft. long, probably used for turtle fishing. We gave them food, cigarettes and other presents. After they became quite familiar with us and friendly, they were subjected to full anthropometric measurements by me. Their blood was also tapped by Mr Sarkar for typing. The presents given were iron nails, strips of red cloth, tea and tobacco leaves. Among all these objects what they liked most were the tobacco leaves. Cooked rice, dal (cooked lentils) and fish curry served to them from the launch Mess were however not much appreciated. With the few Hindi words that they were able to understand, we told them that we would like to visit their camp next morning and meet other members of the party. After the canoes had left, we anchored at this point for the night and after taking an early breakfast we left for the shore in two batches. We were informed by the crew that the creek near the Onge camp was called the *Dugong Creek*. We had to wade through brakish water and coast fringing with coral beds for about two miles, before we reached the Onge settlement. There was one large circular communal hut characteristic of the Onges and several lean-to's (*see* Plate I, Fig. 2). We noticed three canoes on the beach apparently those with which they came to meet us on the previous day. We saw also several small dogs and the entrails of a pig strewn round. We met all the 12 Onges we saw the day before, along with Ukla and his family. In addition there were a number of women and children. We took out our presents of dried tobacco leaves, iron nails and two large fishes that we had caught on our way from Port Blair. These were distributed to the Onges. There were altogether 17 men, 15 women, 4 boys and 3 girls. The children were between 1½ to 4 years. The entire party of Onges behaved towards us in a friendly manner and subjected to our measurements and tapping of blood from their fingers without any protest. We went inside their hut and inspected the settlement very thoroughly. A large number of photographs were taken. We found that the name of this village was *Tambebui*. As it became rather late, we decided to return to 'Molly' in the Andamanese canoes, rather than walk through the coral beds for 2 miles. The Onges understood our signs and gladly escorted us back to the launch. We found there were several other Onges waiting for us in the launch who came from the neighbouring village *Gabilong*. All of these Onges appear to be under the influence of the man nick-named as 'Raja' (*see* Plate IV, Figs. 1-2).

We could not proceed towards Hut Bay as the launch had to return for duty at Port Blair, where we reached at about mid-night.

After reaching Port Blair, I discussed the matter of transport with the Chief Commissioner, Mr Majid. A thorough coastal survey of Little Andaman would take at least 15 to 20 days. As it was found impossible to get either from the Forest Department or from the Harbour Master any of their launches

there were no Andamanese there,
but 400 people consisting of 133 males and 130 females who migrated from Bassein in 1924. They were Karen Christians who had settled there. After returning to Long Island on the 12th, Mr Sarkar and party left in the motor boat "Return" for a short cruise along the Jarawa country. Besides Mr Joseph, there were Mr Pooviah and a few of his Burman Bush Police armed with rifles and guns. The party passed through the Homfray's Strait and anchored at the north eastern corner of the Spike Island. Loka and his party of three Andamanese accompanied them in their two canoes. They came to the shore in one of the Andamanese canoes and after entering the forest they found bundles of bamboos piled up at one corner. This was identified as a Jarawa raft. There were also three paddles made out of a palm tree. These specimens were procured for the Department. After proceeding some distance in the jungle, 19 small fire places were counted in scattered manner. A temporary hut was also noticed at a short distance. A number of objects usually used by the Andamanese tribes for household purposes was found including a sling for carrying babies. A beautiful specimen of a Jarawa Bow painted in red in geometrical designs was also found. Photographs were taken of the settlements of the Jarawa camp and objects collected for the Museum. In another place at *Yeratiajig* remnants of a Jarawa camp including pottery and bones of animals, etc., were found. The party returned to Long Island on 14-3-48 and examined 8 of the remaining members of Loka's party. It left the same day for Port Blair where it arrived at 10 P.M. On the 25th Mr Sarkar and his party with the Deputy Chief Commissioner Mr Gupta, left for Kar Nicobar where it arrived on the following day. It returned to Port Blair after staying for a few days. During this time in Kar Nicobar, besides studying the Nicobarese of the Island Mr Sarkar met two Jarawa children who were captured and brought over there and placed in a local Mission School for education.

In the following year in January 1949, another small party was sent under Dr A. K. Mitra with Messrs H. K. Bose and A. Bhattacharyya, to continue the survey of the Little Andaman further along the eastern coast. They visited *Hut Bay* on the 28th and went to the Onge settlement there. A large circular hut similar to that seen by us at Tambebui was observed. It contained nine cots with a fire place in the centre. There were also two outrigger canoes, one in front of the hut and another on the beach. Altogether 11 Onges were found consisting of 2 adult males, 6 females and 3 young children between the ages of 6 to 15. The 8 adults and the adolescent boys were carefully measured and observations noted about their special somatic characters. After leaving Hut Bay they went as far as the South Point which is the southernmost point on the eastern coast of the Little Andaman, but did not see any other Onge settlement. They had to return on the 31st as the launch could not be spared any further.

The Onges were found to be strong and healthy and free from venereal disease, a scourge, which along with tuberculosis were chiefly responsible for the rapid depopulation of the Andamanese tribes. Our observations agree with the accounts of the Negritos of the Andaman Islands published before

5:Sarkar D-5 (1948)1953 AZ2 Andamans AZ2

Blood Groups from the Andaman and Nicobar Islands

By

S. S. Sarkar

The following blood group data were collected during the months of February-April, 1948 in the course of a visit to Little Andaman, Long Island and Car Nicobar by a party under Dr B. S. Guha from the Department of Anthropology, of which the present writer was a member. The data grouped according to the different tribes are as follows :—

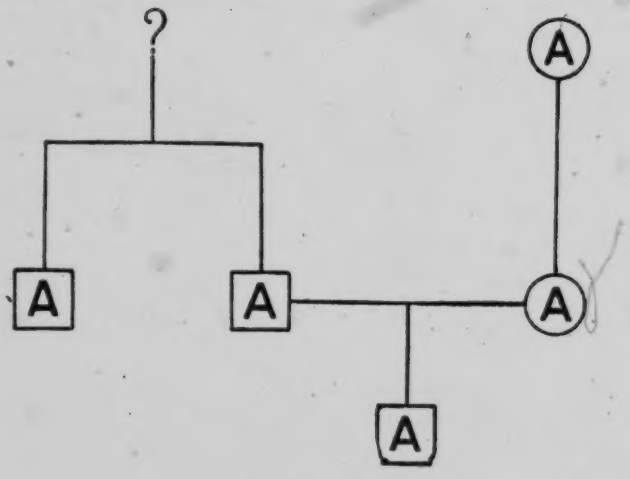
Onges

34 Onges, 19 males and 15 females, were grouped from the island of Little Andaman. They were collected from the settlements round about Bumila Creek, Dugong Creek and the village Tambebui on the N. E. part of the island. The blood group distribution is as follows :—

O	5	14·71%
A	23	67·65%
B	2	5·88%
AB	4	11·76%
	34	

The predominance of group A was already noticeable from Chaudhuri's (Gates, 1940) earlier study of 5 Onges, 3 of whom belonged to A and 1 each to Group O and B.

This will be also apparent from the following pedigree, where three generations show only A.



5: Sarkar D-5 (1948) 1953 AZ2 Andamans AZ2
Nicobars AZ7

A 114 143 582

Owing to linguistic difficulties it was not possible to find out the relationships in the majority of cases. It is, however, evident that inbreeding must be very high in such a small, isolated and closed population.

Jarawas

A 114 143

Gates (1940, 1948) reported blood groups of the five Jarawas captured at Bluff Island in September, 1938. Of these five, the adult woman and her eldest son died at Port Blair during Japanese occupation. It appears that Chaudhuri did not group the blood of the 4th son born at Port Blair to the above captured woman, since that would have made the total number 6 (mother +4 sons + 1 unrelated girl) instead of 5. This boy (Pl. IX, Fig. 3) is now 13 years old and was found like his mother and brothers to be belonging to Group O. The blood samples of the other three children were found to be O. The children (Pl. IX) are now living in a Car Nicobar mission.

Andamanese

A 161

The Andamanese population has undergone very serious depletion. The total strength was estimated to be about 37 as compared with 90 of the census figure of 1931. Only 21 of these people could be tested from the islands of Havelock and Neil. Their blood groups are :—

A 125 143

O	2	9·52%
A	12	57·14%
B	5	23·81%
AB	2	9·52%
	21	

Nicobarese

N 361 N 125 164 143

The majority of the Nicobarese were grouped at the Car Nicobar island. A group of 15 people from Chaura and a patient suffering from infantile paralysis from Nankauri were included in the sample. All the 16 of the latter group belonged to Group O.

The Nicobarese blood group distribution is as follows :—

	O	A	B	AB	p	q	r	D/σ
	117	5	14	0				
%	86·03	3·68	10·29	..	·019	·054	·928	0·5

N 164

Car Nicobar was visited towards the decline of the infantile paralysis epidemic. There were only 24 patients in the hospital. A good number, however, of those who escaped death but were otherwise invalidated were examined.

N 734 731 125